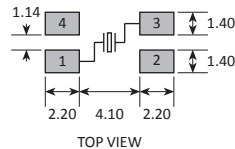


SOLDER PAD LAYOUT



PAD	CONNECTION
1	Crystal
2	Ground & lid
3	Crystal
4	Ground & lid

## Features

- ▣▣▣▣ **Frequencies up to 100MHz**
- ▣▣▣▣ **Tight specifications available**
- ▣▣▣▣ **Metal lid can be grounded to minimise EMI**
- ▣▣▣▣ **Low height for maximum space saving**

## Specifications

Parameters	Product	Option Codes
	GSX-2	
<b>Frequency range:</b> 8.0 ~ 100.0MHz	■	
<b>Calibration tolerance:</b> ±10ppm ±15ppm ±20ppm ±50ppm Other values (±5ppm ~ ±100ppm)	□ □ □ □ □	1 P 2 5 specify
<b>Temperature stability:</b> ±10ppm ±20ppm ±50ppm Other values (±5ppm ~ ±100ppm)	■ □ □ □	1 2 5 specify
<b>Operating temperature range:</b> -10 to +60°C -20 to +70°C Other values	■ ■ □	1 2 specify
<b>Circuit condition:</b> 16pF 18pF 20pF 30pF Series resonant Other values	■ □ □ □ □ □	D E F J S specify
<b>Oscillation mode:</b> Fundamental (8.0 ~ 36.0MHz) 3rd overtone (28.0 ~ 84.0MHz) 5th overtone (84.0 ~ 160MHz)	■ ■ ■	F 3 5
<b>Static capacitance (C<sub>0</sub>):</b> 7pF max	■	
<b>Equivalent series resistance (max):</b> 60Ω (8.0 ~ 9.9MHz) 50Ω (10.0 ~ 15.9MHz) 40Ω (16.0 ~ 32.0MHz, fund) 60Ω (28.0 ~ 84.0MHz, 3rd OT) 80Ω (84.1 ~ 100MHz, 5th OT)	■ ■ ■ ■ ■	
<b>Ageing:</b> ±5ppm max first year	■	
<b>Test drive level:</b> 100μW	■	
<b>Soldering condition:</b> 260°C, 10 sec x2 max	■	

■ Standard. □ Optional - Please specify required code(s) when ordering

## Ordering Information

Product name + option codes + frequency

eg: **GSX-2/551DF 32.0MHz** 50/50/10/16-F (standard)

**GSX-2/121S3 72.0MHz** 10/20/10/SR-3

Option code X (eg GSX-2/X) denotes a custom specification.

- ◆ Available on T&R - 3k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.
- ◆ GSX-1B or GSX-751 are more cost effective with same footprint if height and specifications allow.